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Power of Attorney:

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OPTICAL FERRULE AND MOLDING METHOD THEREFOR, AND OPTICAL CONNECTOR USING THIS OPTICAL FERRULE

Preliminary Class

385

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(12) United States Patent

Nishumura et al.

OPTICAL FERRULE AND MOLDING METHOD THEREFOR, AND OPTICAL CONNECTOR USING THIS OPTICAL **FERRULE**



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Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

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(2006.01)

Field of Classification Search 385/64, 385/82, 52, 77, 78

See application file for complete search history.

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(45) Date of Patent:

Jun. 19, 2007

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(57)**ABSTRACT**

An optical ferrule is disclosed in which a concave portion 17c having a gate G in resin molding disposed therein is formed in a ferrule body 11. According to this constitution, it is possible to easily cut a flash 10 left after a gate of the concave portion 17c of the ferrule body 11 is cut after molding with a gate cutter, so that, when the ferrule body 11 is fitted in a housing of an MPO connector and the like, the problem that the flash 10 protrudes from the concave portion 17c and the flash 10 hitching to an inner wall of the housing dose not occur. Accordingly, the labor required for removing the flash 10 by polishing can be eliminated, and hence productivity of the ferrule body 11 can be improved. Thus, a large number of ferrule bodies 11 can be automatically manufactured without requiring much manpower.

12 Claims, 16 Drawing Sheets

